

## Computing Curriculum Overview 2024 - 2025

		<u>Autumn 1</u>	<u>Autumn 2:</u>	<u>Spring 1</u>	<u>Spring 2:</u>	<u>Summer 1</u>	<u>Summer 2</u>
<b>EYFS</b>	eSafety	NOS unit Self-image & identity		NOS unit Privacy and security		NOS unit Health, well-being and life-style	
	Computing	Understand the World: Range of tech such as keyboards, tills, mouse and phones in theme areas. Literacy: Beebots - Fairy tale map/plan Communication and language: verbal instructions (algorithms) – pumpkin soup & porridge PSED: voice recorded messages for talking postcards		Communication and language: verbal instructions (algorithms) Funky Fingers – directions with arrows.  Teach your monster to read as intro to iPads and that website.  Apple TV to show chicks hatching. Record and film own mini-beast poems		Expressive arts and design: Pic Collage  Understanding the world: Lego coding Express train kit  Teach Rex workshop – green screen	
<b>C1</b>	eSafety	NOS: Self-image and identity	NOS unit: online relationships	Feb: Safer internet Day activities & NOS unit: online reputation	NOS unit: Online bullying	NOS unit: Health, Wellbeing & Lifestyle	NOS unit: Privacy and security
	Computing	Explore iPads and various apps. Log on & create Purple Mash Avatar. Practice log on with comp room PCs.	Unit 1.3 Pictograms Unit	Unit 1.4 Lego builders	Unit 1.5 Maze explorers	Unit 1.7 Coding	Unit 1.6 Animated Story Books linked to dragons and knights
	Cross curricular/ applying	Autumn pictures	The Jolly Postman - Beebots town map.	Maths shapes pattern online games			Look inside a Castle & Build castle app

<b>C2</b>	eSafety	NOS unit: Online Bullying	NOS unit: Online relationships	Feb: Safer internet Day activity & NOS unit: Managing online information	NOS unit: Health, well-being and lifestyle	NOS unit: Online reputation	NOS unit: Copyright and Ownership
	Computing	Purple Mash unit 2.5 Effective searching (3)	Purple Mash units 2,6 creating	Purple Mash unit 2.7 Making music (3)  2.3 Spreadsheets (4)	Purple Mash unit 2.8 Presenting ideas (4)	Purple Mash unit 2.1 Coding (5)	Purple Mash unit 2.4 Questioning (5) Science link
	Cross curricular/ applying	Apply search skills to research for BHM & Pic Collage  Research for non-chronological report in English.  Google Earth Geography link	Fire of London Game (History) ChatterPix - English & History AR fire of London Samuel Pepys fact file Pic Collage Art - create pictures made in PM in paint – Pointillism (Seurat)		English - story - purple mash unit.  Photos taken and import into programme to make a book in Book Creator	Directions – maths link Physical routes in geography developing algorithms further	Maths link: statistics – gathering data  Science
<b>C3</b>	eSafety	NOS: Privacy & Security	NOS Online bullying:	Feb: Safer internet Day activities & NOS unit: online relationships	NOS unit: Health, well-being 7 life style	NOS unit: Self-image & identity	
	Computing	<b>Coding</b> Purple Mash Unit 3.1 (6 lessons)	<b>Spreadsheets</b> Purple Mash Unit 3.3 (3 lessons)	<b>Email</b> Purple Mash Unit 3.5 (6 lessons)	<b>Branching Databases</b> Purple Mash Unit 3.6 (4 lessons) Purple Mash 3.9 <b>MS PowerPoint</b>	<b>Coding</b> Teach Computing Sequencing Sounds unit (Scratch)	
	Cross curricular/ applying	Pic College linked to science	Collecting data/ Bar chart link in PM unit – possible with Stone Age or Ug	Butterfly Lion email	Rainforest booklet/poster in Purple Mash	'PowerPoint' for Romans	

<b>C4</b>	eSafety	NOS unit: Online reputation & Cyber Cafe	NOS unit: Self-image & identity	Feb: Safer internet Day activities & NOS unit: Online Bullying	NOS unit: Managing online information	NOS unit: Health, Wellbeing & Lifestyle	NOS unit: Online relationships
	Computing	<b>Logo:</b> Unit 4.5	<b>Coding:</b> Unit 4.1	<b>Spreadsheets:</b> Unit 4.3  <b>Micro:Bit</b> Stem link/coding	<b>Hardware Investigators:</b> Unit 4.8 <b>Effective Searching:</b> Unit 4.7	<b>Artificial intelligence</b> Unit 4.10	<b>Animation:</b> Unit 4.6 <b>Writing for Different audiences:</b> Unit 4.4.
	Cross curricular/ applying  Newsround & Kahoot quizzes across the year	Research mountain types for geography.	Created videos for how sound travels – science link		Line graphs, budgeting spreadsheets – PSHE link	Espresso augmented Reality – The Vikings (Beowulf)  Homework task: current affairs presentations	Research animals link to Wind in the Willows  Crumble – DT/science link  Homework task: animations
<b>C5</b>	eSafety	NOS unit: Copyright & Ownership	NOS: Online Bullying	Feb: Safer internet Day activities  & NOS unit Health, Well-being & Lifestyle	NOS unit: Privacy and security	NOS unit: Online relationships	NOS unit: self-image and identity
	Computing	Purple Mash unit 5.1 <b>Coding</b>	Purple Mash unit 5.3 <b>Spreadsheets</b>		<b>Purple Mash unit 5.4 Networks &amp; Databases</b>	<b>CRUMBLE physical computing</b>	<b>Purple Mash 5.8 Word Processing (MS Word)</b>
	Cross curricular/ applying	AR: Moon landing Science poster in Pic Collage	Link unit to maths  Research for Victorians NCR in English – possible PPT or Keynote presentation	Digital maps: geography Forces research Maths link converting measures, and graphs - line, bar and pie charts.	Research on how animals move – DT link		eBook for being healthy

				Extend into Excel			
<b>C6</b>	eSafety	NOS unit: Online reputation	NOS unit: Health, Wellbeing & Life Style	Feb: Safer internet Day activities &  NOS unit: Managing online information	NOS Unit: Online Bullying	NOS unit: Self-image & Identity	NOS unit: Online Relationships
	Computing	Purple Mash unit <b>6.1 Coding</b> 2Code (6)	Teach Computing: <b>3D modelling</b> with Tinkercad	Physical computing with 'Crumble'  Purple Mash unit <b>6.3 Spreadsheets</b> 2calculate (5)  (Extend into Excel or numbers app)		Teach computing unit: (year 4) <b>Networks</b>	Purple Mash unit <b>6.4 Blogging</b> 2Blog (4)
	Cross curricular/ applying  Newsround & Kahoot quizzes across the year	WW1 eBooks through Book Creator app  Hypothesis research: role of women in WW1	Treacher's Collins info with Pages app  Hypothesis research: Maya pyramids	Research heart conditions.  DT: Crumble for fairground rides	Amazon River & Rainforest presentation via Keynote app	Animation or Movie 'Moving on to secondary school'	